

INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2004/000752

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H05K 9/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: H05K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6131269 A (LEE ET AL), 17 October 2000 (17.10.2000), column 1, line 27 - line 34; column 3, line 24 - column 5, line 35 --	1-22
X	US 6131269 A (LEE, A E ET AL), 17 October 2000 (17.10.2000), column 1, line 13 - line 19; column 2, line 51 - column 4, line 31, figure 1, abstract --	1-22
A	US 20030169983 A1 (BRANCH, S M ET AL), 11 Sept 2003 (11.09.2003), abstract --	1-22

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

13 April 2005

Date of mailing of the international search report

14-04-2005

Name and mailing address of the ISA/
Swedish Patent Office
Box 5055, S-102 42 STOCKHOLM
Facsimile No. + 46 8 666 02 86Authorized officer

Rune Bengtsson /LR
Telephone No. + 46 8 782 25 00

INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2004/000752

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,A	US 666694 B1 (DALY, J J ET AL), 23 December 2003 (23.12.2003), the whole document --	1-22
E	EP 1510844 A1 (SIEMENS AG), 2 March 2005 (02.03.2005), the whole document -- -----	1-22

INTERNATIONAL SEARCH REPORT

Information on patent family members

01/04/2005

International application No.

PCT/FI 2004/000752

US	6131269	A	17/10/2000	AU	3220299	A	25/10/1999
				US	6221875	B	24/04/2001
				US	20010031758	A	18/10/2001
				WO	9951598	A	14/10/1999

US	6131269	A	17/10/2000	AU	3220299	A	25/10/1999
				US	6221875	B	24/04/2001
				US	20010031758	A	18/10/2001
				WO	9951598	A	14/10/1999

US	20030169983	A1	11/09/2003	US	20030171022	A	11/09/2003
				US	6788540	B	07/09/2004
				US	20030141090	A	31/07/2003

US	666694	B1	23/12/2003	NONE			
----	--------	----	------------	------	--	--	--

EP	1510844	A1	02/03/2005	NONE			
----	---------	----	------------	------	--	--	--